

ROTARY MOWER**Model Nos.****112-530****I M P O R T A N T****SAFE OPERATION PRACTICES - WALK BEHIND MOWERS****TRAINING**

1. Read the Operating and Service Instruction Manual carefully. Be thoroughly familiar with the controls and proper use of the equipment.
2. Never allow children to operate a power mower.
3. Keep the area of operation clear of all persons, particularly small children, and pets.

PREPARATION

1. Thoroughly inspect the area where the equipment is to be used and remove all stones, sticks, wire, bones and other foreign objects.
2. Do not operate equipment when barefoot or wearing open sandals. Always wear substantial footwear.
3. Check fuel before starting engine. Do not fill gasoline tank indoors, when engine is running, or while engine is still hot. Wipe off any spilled gasoline before starting engine.
4. Disengage self-propelled mechanism or drive clutch on units so equipped before starting engine (motor).
5. Never attempt to make a wheel height adjustment while engine (motor) is running.
6. Mow only in daylight or in good artificial light.
7. Never operate equipment in wet grass. Always be sure of your footing; keep a firm hold on the handle and walk; never run.

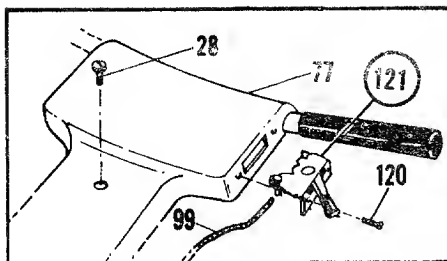
OPERATION

1. Do not change engine governor settings or overspeed engine.
2. Do not put hands or feet near or under rotating parts. Keep clear of discharge opening at all times.
3. Stop blade(s) when crossing gravel drive, walks or roads.
4. After striking a foreign object, stop the engine (motor), remove wire from spark plug, thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower.

5. If the equipment should start to vibrate abnormally, stop the engine (motor) and check immediately for the cause. Vibration is generally a warning of trouble.
6. Stop engine (motor) whenever you leave the equipment, before cleaning mower housing, and when making any repairs or inspections.
7. When cleaning, repairing or inspecting, make certain blade and all moving parts have stopped. Disconnect spark plug wire and keep wire away from plug to prevent accidental starting.
8. Do not run engine (motor) indoors.
9. Shut engine (motor) off and wait until blade comes to a complete stop before removing grass catcher and/or unclogging chute.
10. Mow across the face of slopes, never up-and-down. Exercise extreme caution when changing direction on slopes. Do not mow excessively steep slopes.
11. Always disconnect electric mowers (line operated) before cleaning, repairing, or adjusting.
12. Never operate mower without proper guards, plates or other safety protective devices in place.
13. Keep washout ports and other mower housing service openings closed when mowing.

MAINTENANCE AND STORAGE

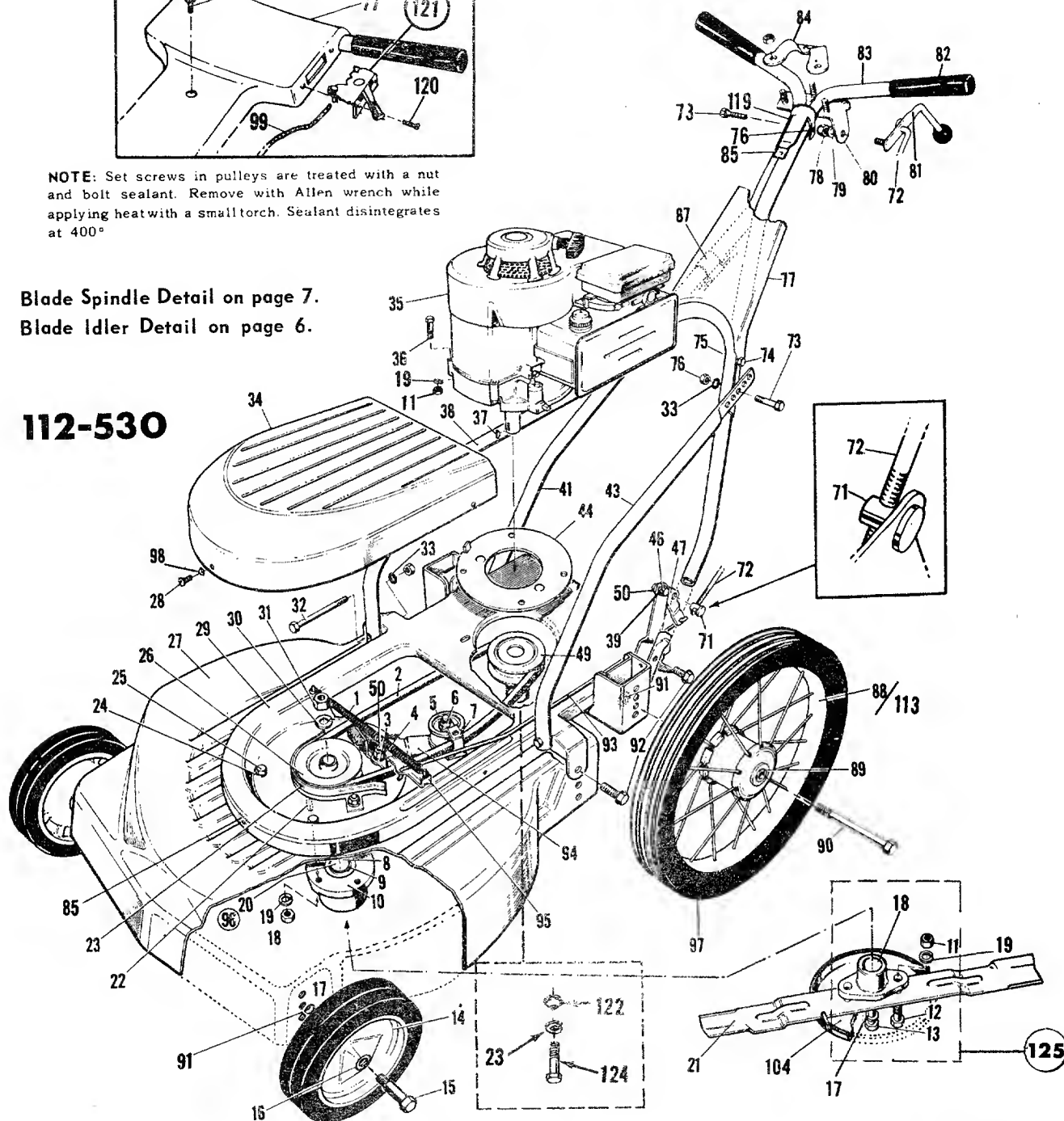
1. Check blade and engine mounting bolts at frequent intervals for proper tightness.
2. Keep all nuts, bolts, and screws tight to be sure equipment is in safe working condition.
3. Never store equipment with gasoline in the tank inside of a building where fumes may reach an open flame or spark. Allow engine to cool before storing in any enclosure.
4. To reduce fire hazard keep engine free of grass, leaves or excessive grease.
5. Check grass catcher bags frequently for wear or deterioration. Replace with new bags for safety protection.



NOTE: Set screws in pulleys are treated with a nut and bolt sealant. Remove with Allen wrench while applying heat with a small torch. Sealant disintegrates at 400°

Blade Spindle Detail on page 7.
Blade Idler Detail on page 6.

112-530



NOTE: To engage the blade with the engine running..
1. Move the throttle control lever to "FAST" position.
2. Engage the blade engagement lever SLOWLY.
3. Adjust engine speed.

The engine is not under warranty by the mower manufacturer. . . If repairs or service is needed on the engine, please contact your nearest authorized engine service outlet. Check the "Yellow Pages" of your telephone book under "Engines - Gasoline."

Find us fast in the



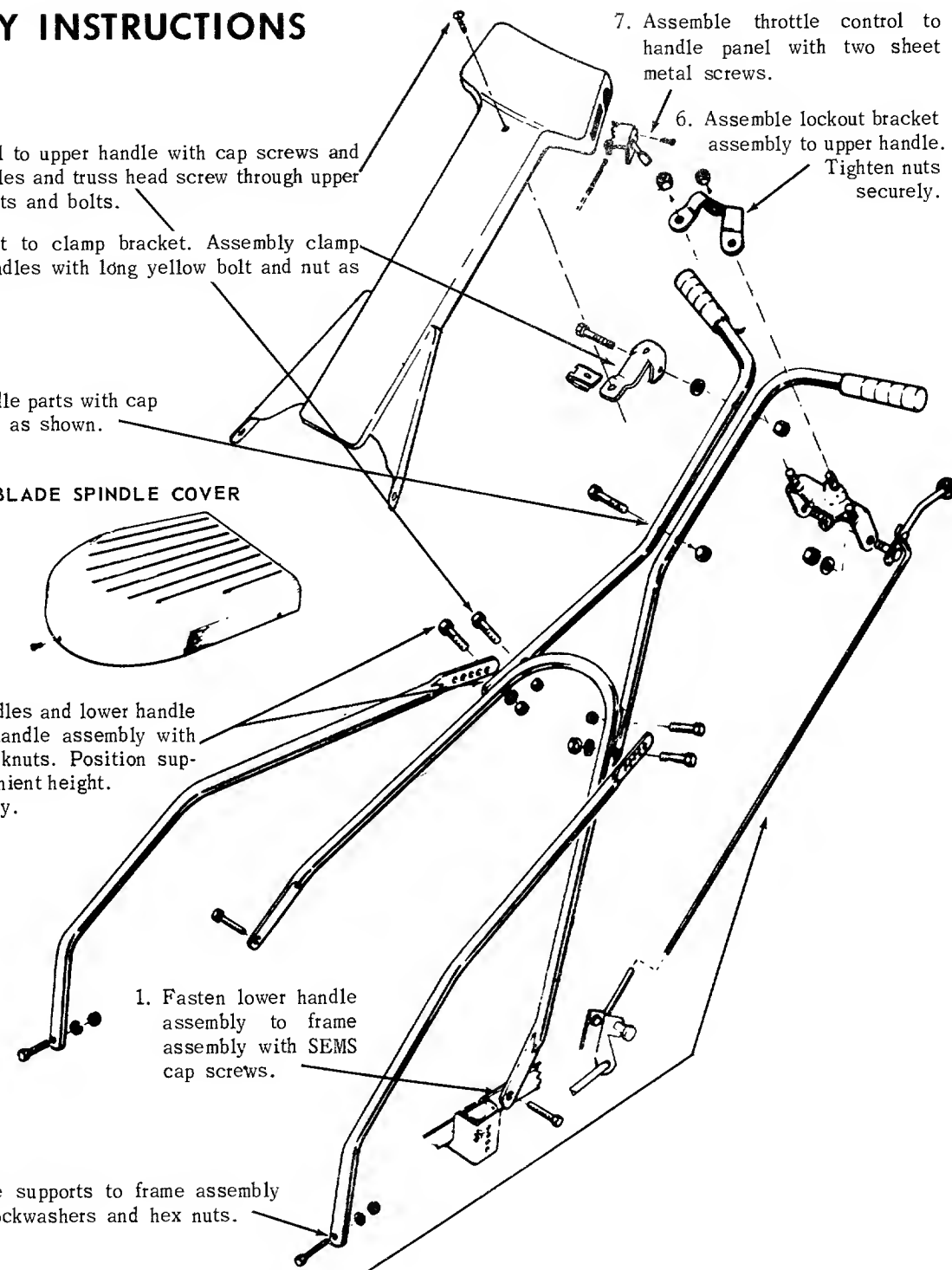
PARTS LIST FOR ROTARY MOWER MODEL NO. 112-530

Ref. No.	Part No.	DESCRIPTION	Ref. No.	Part No.	DESCRIPTION
1	732-158	Blade Tension Spring	71	711-179	Ferrule
2	754-109	V Belt - 1/2 x 43 *	72	711-180	Control Rod
3	736-300	Flat Washer - 3/8 I.D.	73	710-606	Hex Hd. Cap Scw. 1/4-20 x 1-1/2 long *
4	710-373	Shoulder - Special	74	710-106	Hex Hd. Cap Scw. 1/4-20 x 1-1/4 long *
5	756-370	Idler Bearing Assembly	75	712-287	Hex Nut - 1/2-20 thread *
6	712-372	Centerlock - Hex Nut - 5/16-18 thread *	76	712-107	Centerlock - Hex Nut - 1/4-20 thread *
7	310-7353	Bracket - Belt	77	11623	Control Panel
8	711-212	Sleeve	78	712-324	Elastic Stop Nut - 1/4-20 thread *
9	741-120	Bearing - Upper	79	736-325	Flat Washer - .265 I.D. *
10	719-120	Spindle Housing	80	310-8376	Lockout Bracket Assembly
11	712-123	Hex Nut - 5/16-24 thread * †	81	310-8373	Lockout Lever Assembly
12	710-117	Hex Head Cap Screw (heat treated) - 5/16-24 x 1 long †	82	305-7071	Grip - Black
13	710-489	Hex Hd. Cap Scw. 3/8-24x1 1/2 lg. (heat tr'd) †	83	310-9364	Handle - Upper
14	513-9383	Wheel Assembly - 8" - B.B.	84	310-8378	Clamp Bracket
15	738-213	Axle Bolt - 5/8 length thread	85	712-526	Speed Nut - 10-24 thread *
16	741-114	Ball Bearing	87	746-145	Cable Clip
17	736-217	Spring Lockwasher 3/8 heavy duty screw * †	88	734-180	Wheel Assembly - 16" less tire
18	748-189	Blade Adapter †	89	741-113	Ball Bearing
19	736-119	Spring Lockwasher - 5/16 screw * †	90	738-114	Axle Bolt
20	711-240	Spindle	91	736-105	Belleville Washer
21	742-125	Blade - 22"	92	710-209	SEMS Hex Hd. Cap Scw. 3/8-16 x 5/8 lg. *
22	710-122	Hex Hd. Cap Scw. 5/16-24 x 1 long *	93	310-9373	Control Rod
23	312-8324	Belt Guard	94	310-8298	Idler Bracket Assembly
24	712-123	Hex Nut - 5/16-24 thread *	95	310-9371	Brake Lever
25	710-122	Hex Hd. Cap Scw. 5/16-24 x 1 long *	96	901-7805	Blade Spindle Ass'y - Complete H.W
26	3-9925	Pulley - 4"	97	734-392	Tire - Rib Tread 16 x 1.75
27	11446	Deck Assembly - 22"	98	736-147	Ext. Lockwasher - #10 screw *
28	710-473	Truss Hd. Mach. Scw. 10-24 x 1/2 long *	104	312-7919	Anti Scalp Plate - 8-1/2"
29	438-8280	Frame Assembly	110	710-938	Allen Set Screw - 1/4-28 x 1/4 long * (not shown)
30	736-921	Spring Lockwasher - 1/2 screw *	111	741-107	Bearing - Lower - Blade Spindle
31	712-922	Hex Jam Nut - 1/2-20 thread *	113	502-8761	Wheel Ass'y Complete
32	710-102	Hex Hd. Cap Scw. 1/4-20 x 2-1/2 long *	114	736-154	Washer
33	736-222	Ext. Lockwasher - 1/4 screw *	115	721-105	Seal
34	438-8295	Blade Spindle Cover	116	737-479	Zerk Fitting
35	—	Engine	117	728-649	Rivet
36	710-158	Hex Hd. Cap Scw. 5/16-24 x 1-1/4 long *	118	754-647	Brake Shoe
37	714-365	Key - Hi Pro #505 * †	119	310-8378	Clamp Bracket
38	310-8328	Handle Support - Lower R. H.	120	710-148	Thread Cut Screw #8-32 x 3/8 lg. *
39	736-108	Flat Washer - 33/64 I.D. *	121	746-171	Throttle Control - Complete
41	310-8334	Handle - Lower H. W.	122	736-112	Belleville Washer
43	310-8327	Handle Support - Lower L.H.	123	736-169	Lockwasher 3/8 Screw. *
44	310-8325	Belt Trap Assembly	124	710-152	Hex Head Cap Screw 3/8 - 24 x 1 lg. *
46	738-234	Pivot Screw	125	718-132	Plastic Cap - Rear Wheel (not shown)
47	310-9372	Pivot Bracket	126	10769	Blade Adapter Kit
49	756-110	Pulley - Engine	127	11167	Protective Shield
50	712-430	Elastic Stop Nut - 3/8-16 thread *	127	726-106	Push-on Flange Palnut
51	300-8809	Reinforcement Plate	128	11145	Hinge Rod
			129	11141	Chute Deflector
			130	732-253	Torsion Spring
			131	11130	Adapter Plate
			132	711-555	Pivot Pin

* For faster service obtain standard nuts, bolts, and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

438 - Polar Blue } When ordering parts if color or finish is important, use the appropriate color code shown at left.
437 - Flag Red } (e.g. Polar Blue finish - 11446 (438).)

ASSEMBLY INSTRUCTIONS

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8. Fasten control panel to upper handle with cap screws and locknuts at lower holes and truss head screw through upper hole. Tighten all nuts and bolts.
 5. Assemble speed nut to clamp bracket. Assemble clamp bracket to upper handles with long yellow bolt and nut as shown.
 2. Assemble upper handle parts with cap screws and locknuts as shown.
 7. Assemble throttle control to handle panel with two sheet metal screws.
 6. Assemble lockout bracket assembly to upper handle. Tighten nuts securely.
 4. Assemble upper handles and lower handle supports to lower handle assembly with cap screws and locknuts. Position supports for most convenient height. Use lower holes only.
 1. Fasten lower handle assembly to frame assembly with SEMS cap screws.
 3. Attach lower handle supports to frame assembly with cap screws, lockwashers and hex nuts.
 9. Blade Engagement Assembly
 - a. Remove Blade Spindle Cover by removing three screws.
 - b. Move brake lever to rear position so *belt is slack*.
 - c. Insert ferrule into blade bracket assembly from the left.
 - d. Screw rod into ferrule.
 - e. Assemble control handle to control rod as shown.
 - f. Adjust control rod. A slight pressure should be needed to operate lockout lever. Too much pressure can break lever assembly or control rods. Readjust control rods if pressure is too great.
 - g. Replace Blade Spindle Cover.
- BLADE SPINDLE COVER**

OPERATION

1. Before starting engine, check LUBRICATION INSTRUCTIONS.
2. Check lockout control handle for proper operation. If too great a pressure is needed to operate these controls, damage can be done to both the mechanism and the rods. Readjust so only slight pressure is needed to operate the blade engaging control. See ASSEMBLY INSTRUCTIONS Step 9.
3. Service engine with gasoline and oil. See engine instructions for complete care and maintenance of engine. READ DIRECTIONS CAREFULLY.
4. Be sure engine crankcase is filled to capacity with proper grade of oil.
5. Move control handle to "OFF" position.
6. Move throttle control lever to "Choke" position.
7. Crank engine. Move throttle control lever to "Fast" position as soon as engine fires. Use choke as needed to keep engine running during warm up period.
8. Put blade into motion by moving blade control handle to "On" position.

To engage the blade with the engine running . . .

- a. Move the throttle control lever to "Fast" position.
 - b. Engage the blade engagement handle SLOWLY.
 - c. Adjust engine speed.
9. A brief break-in period is essential to insure maximum engine and mower life. This consists of running the engine a half speed for a period of time required to use one tank of gasoline. It is also recommended to change crankcase oil after the first five hours of operation or as operating conditions dictate. Always check oil before operating the mower. BE SURE CRANKCASE IS FULL.
 10. Proper lubrication must be maintained at all times.
 11. Appropriate clothing should be worn when cutting brush or heavy weeds. Safety shoes and safety glasses are highly recommended.
 12. The engine is stopped by moving the throttle control lever to "STOP" position.

ADJUSTMENT

1. Handles may be adjusted by changing the position of the lower support mounting holes. When this change is made, it may also be necessary to check the adjustment of the control rod. See Step 9 in ASSEMBLY INSTRUCTIONS.
2. Control rod adjustment is made as shown in ASSEMBLY INSTRUCTIONS Step 9.

3. Cutting height adjustment is made by removing and moving axle bolts to the desired positions. Cutting height will be raised as axle bolts are moved to lower mounting holes and lowered as axle bolts are moved to higher mounting holes. All axle bolts must be mounted in the same relative position to the deck. When wheels are mounted to the deck, the *crown shape washers must be assembled with the crown away from the deck*. This is necessary to prevent the axle bolts from loosening.
4. If throttle adjustment becomes necessary, the throttle control wire may be reset as follows:
 - a. Loosen, but do not remove, screw securing throttle control wire assembly at engine.
 - b. Move throttle control lever on handle to "Choke" position.
 - c. Move lever to which control wire is fastened to engine to full choke position. Retighten screw to secure throttle control wire assembly.

LUBRICATION

Important; Always stop engine and disconnect spark plug wire before cleaning, lubricating or doing any kind of work on the lawn mower.

1. Wheel bearings are ball bearings. Use SAE 30 engine oil.
2. Throttle — Periodically lubricate throttle control lever and entire length of throttle wire assembly with a few drops of SAE 30 engine oil for ease of operation.
3. Engine — Follow engine manual for lubrication instructions. Check oil level before each mowing.
4. Friction point between idler bracket assembly (Ref. No. 94) and deck should be greased once each season with a multi-purpose grease.
5. Blade Spindle Assembly — The blade spindle assembly is equipped with a grease fitting. Use grass discharge chute for access to the fitting located under the deck. Use multi-purpose grease. Lubricate PRIOR to initial use and every 25 hours thereafter. CAUTION: Be sure spark plug wire is disconnected and grounded.
6. Protective Shield — The pivot points on the protective shield should be lubricated periodically with oil to prevent any rust or binding up.
7. Chute Deflector — The torsion spring and pivot point should be lubricated periodically with oil to prevent any rust or binding up. Deflector must work freely.

MAINTENANCE

Important: Always stop engine and disconnect spark plug wire before cleaning, lubricating or doing any kind of work on the lawn mower.

1. Cutting Blade — Remove all nuts and bolts holding the blade to the blade hub.

When sharpening blade, follow the original angle of of grind as a guide. It is extremely important that each cutting edge receives an equal amount of grinding to prevent an unbalanced blade. An unbalanced blade will cause excessive vibration when rotating at high speeds and may cause damage to the mower.

Upon reassembling, make certain all parts are assembled properly and tightened securely.

2. Deck — The underside of mower deck should be cleaned after each period of use as grass clippings, leaves, dirt and other matter accumulates. This accumulation of grass clippings, etc. is undesirable as it will invite rust and corrosion and may cause an uneven discharge of grass clippings at next cutting.

The deck may be cleaned by tilting the mower backward or on its right side and scraping clean with a suitable tool or by washing with a stream of water from a garden hose. **CAUTION:** Do not direct the stream of water at a hot engine as damage to the engine may result.

3. Belt replacement may be made as follows:
 - a. Remove blade spindle cover.
 - b. Remove front belt guard.
 - c. Remove blade tension spring.
 - d. Loosen belt on bracket of idler bearing assembly.
 - e. Remove brake lever assembly.
 - f. Remove damaged or worn belt.
 - g. Place new belt on engine pulley. Do not bend belt guard pins. Belt should be inside of pins.
 - h. Work belt to front and mount on blade spindle pulley. Replace front belt guard.
 - i. Replace brake lever assembly.
 - j. Slip belt on idler pulley between pulley and belt bracket.

k. Replace blade tension spring.

l. Move blade lockout handle to "ON" position.

m. Position belt bracket on idler pulley to clear the tightened belt. Secure belt bracket in position. See drawing page 2.

n. Replace blade spindle cover.

4. Storage — The following steps should be taken to prepare lawn mower for storage:

a. Clean and lubricate mower thoroughly as described in the preceding instructions.

b. Refer to engine manual for correct engine storage instructions.

c. Coat mower's cutting blade with multi-purpose grease to prevent rusting.

d. Place blocks under deck to raise tires clear of floor.

e. Store mower in a dry, clean area.

USING YOUR ROTARY MOWER

For best results do not cut wet grass because it tends to stick to the underside of the mower, thus preventing proper discharge of grass clippings. If wet grass must be cut, reduce engine speed to help distribute the clippings more effectively.

New grass should be treated as wet grass, otherwise a normal walking speed is about the right pace for efficient mowing.

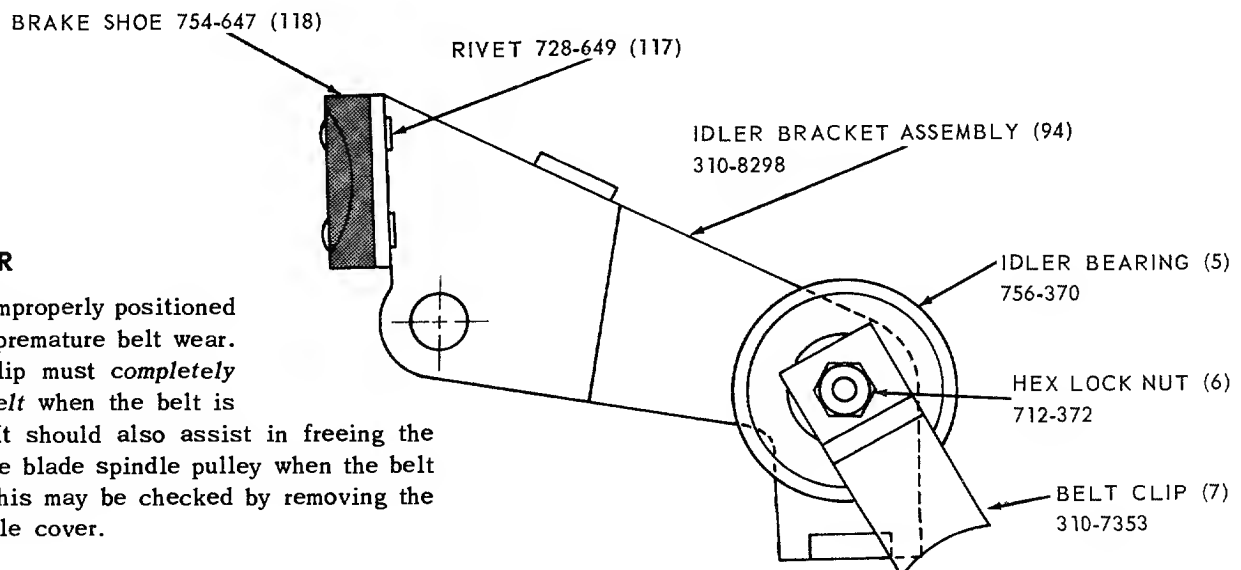
The best mowing pattern is one that allows the clippings to discharge towards the uncut part of the lawn. This permits recutting of the clippings to further pulverize them. When cutting high weeds, discharge towards cut portion then recut at right angle to first direction.

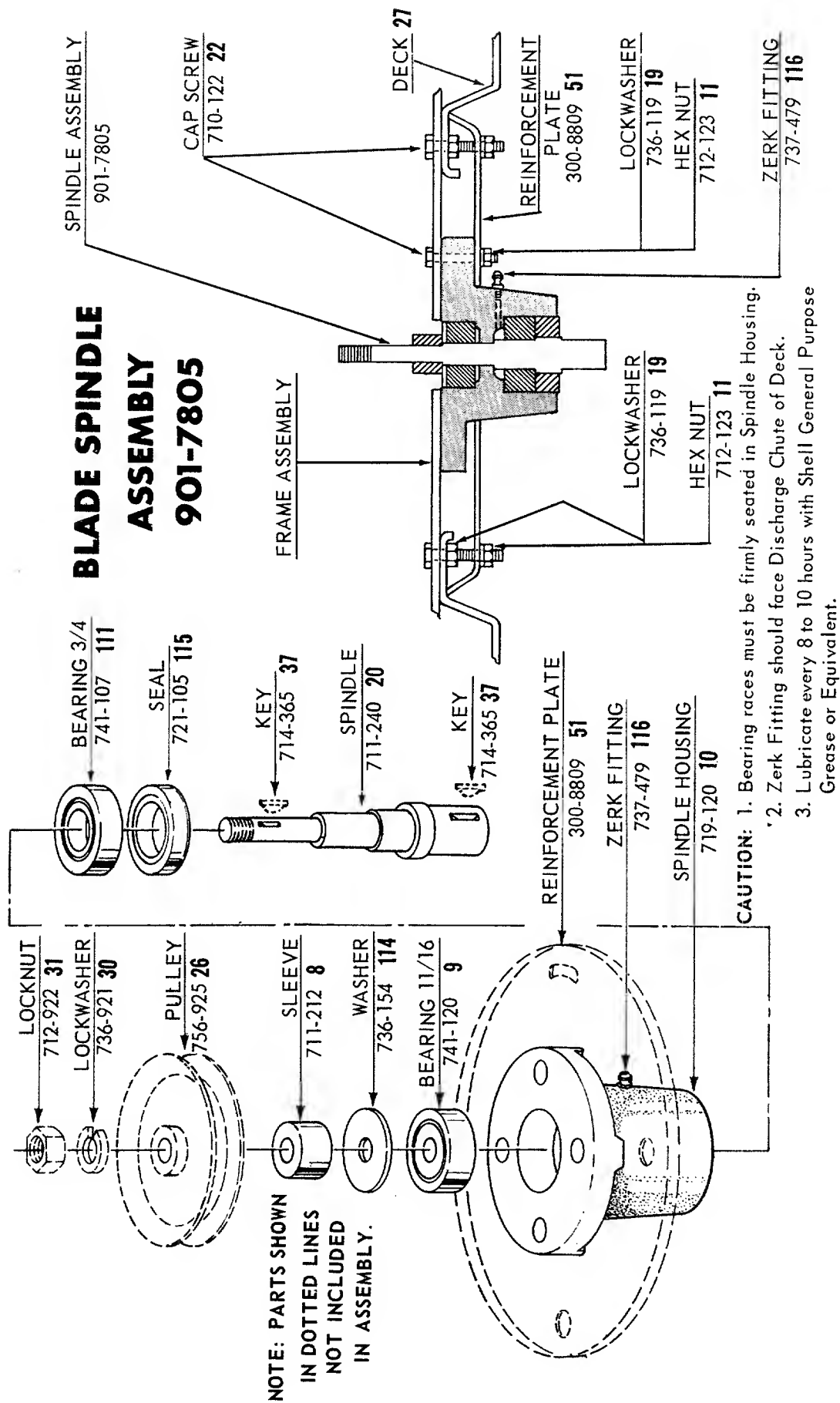
Lawns should be cut in fall as long as there is growth.

BLADE IDLER BRACKET ASSEMBLY DETAIL

BELT WEAR

Belt clips improperly positioned will cause premature belt wear. The belt clip must *completely clear the belt* when the belt is tightened. It should also assist in freeing the belt from the blade spindle pulley when the belt is loose. This may be checked by removing the blade spindle cover.





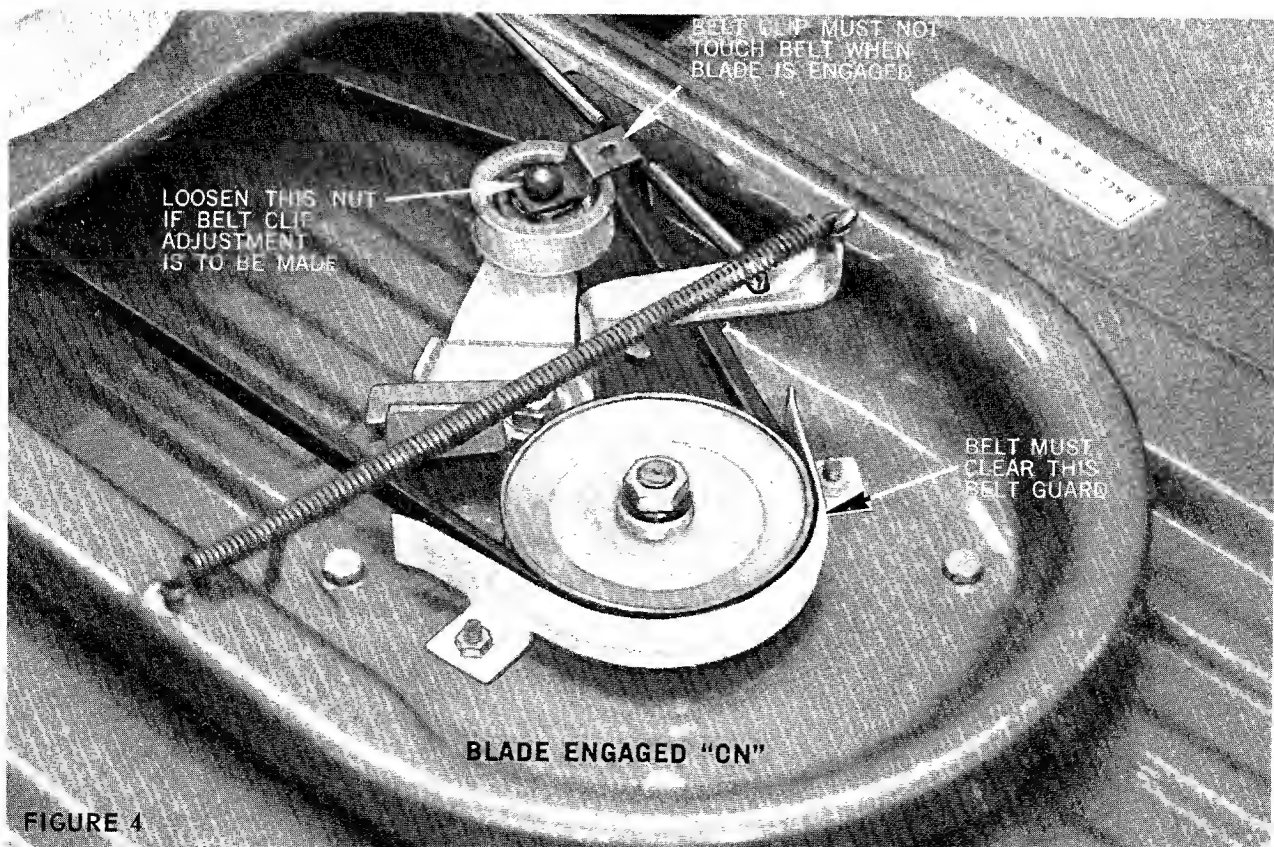
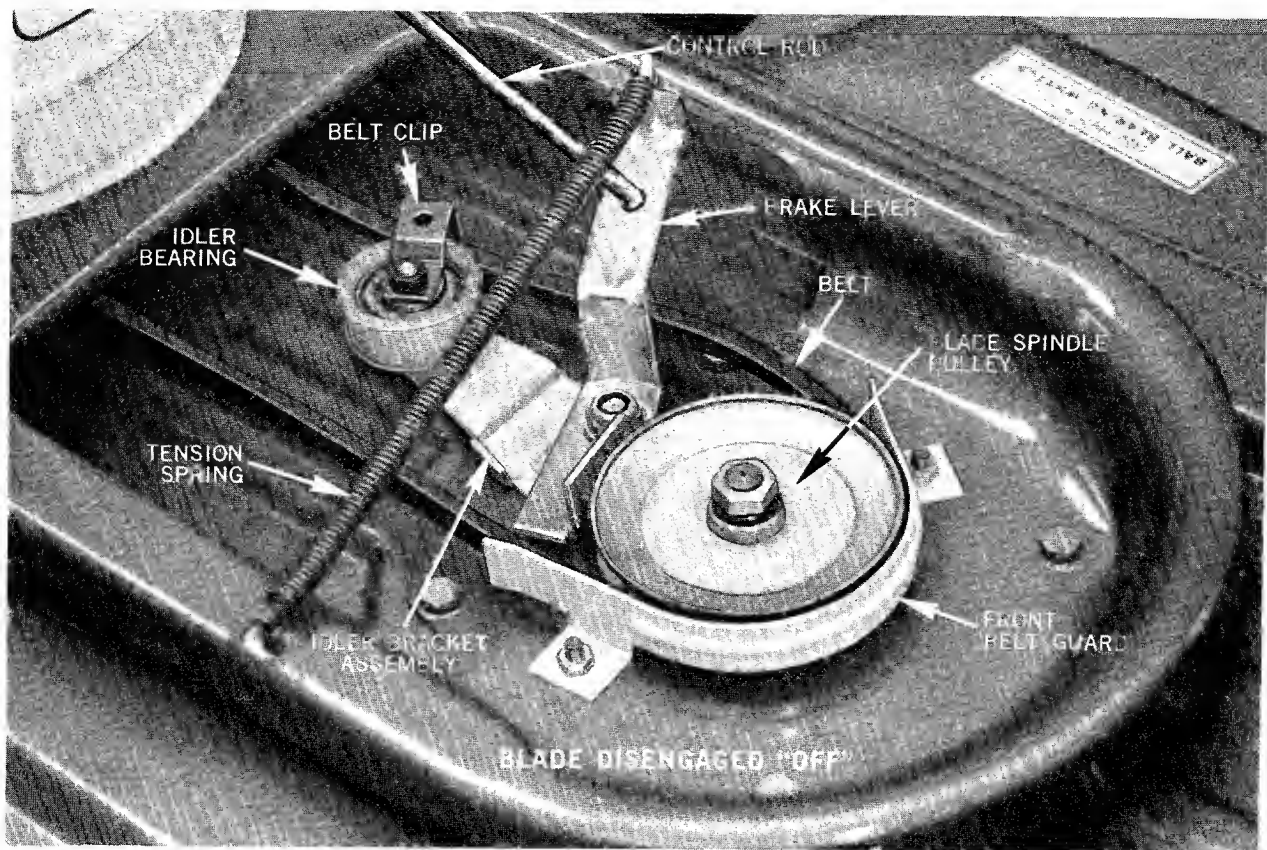


FIGURE 4

GRASS CATCHER Model No. 192-003 is available as optional equipment for the mower shown in this manual.

WARNING:

1. The mower should not be operated without the entire grass catcher or chute deflector in place.
2. The mower should not be operated without the protective shield on the rear of the deck in place.

NOTE:

Under normal usage bag material is subject to wear, and should be checked periodically. Be sure any replacement bag complies with the mower manufacturer's recommendations.

For replacement bags, use only factory authorized replacement bag No. 764-119.

★ IMPORTANT

After striking a foreign object, stop the engine (motor), remove wire from spark plug. Thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower.

WARRANTY

For one year from date of purchase, MTD Products Inc will replace for the original purchaser, free of charge, F.O.B. factory or authorized service firm, any part or parts found to be defective in material or workmanship. All transportation charges on parts submitted for replacement under this warranty must be paid by the purchaser. This warranty does not include replacement of parts which become inoperative through misuse, excessive use, accident, neglect, improper maintenance or alterations by unauthorized persons. This warranty does not include the engine, motor, battery, battery charger or any component parts thereof. For service on these units, refer to the applicable manufacturer's warranty.

The above warranty will apply only to the original owner and will be effective only if the warranty card has been properly processed. It will not apply where the unit has been used commercially.

Warranty service is available through your local authorized service dealer or distributor. **UNDER NO CIRCUMSTANCES WILL THE RETURN OF A COMPLETE UNIT BE ACCEPTED BY THE FACTORY UNLESS PRIOR WRITTEN PERMISSION HAS BEEN EXTENDED**

PARTS INFORMATION

MOWER, TILLER, SNOW THROWER AND TRACTOR PARTS

Mower, tiller, snow thrower and tractor parts are available through the authorized service firms listed below. All orders should specify the model number of your unit, parts numbers, description of parts and the quantity of each part required.

ENGINE PARTS AND SERVICE

Engine parts and service should be handled by your nearest authorized engine service firm. Check the yellow pages of your telephone directory under the listing *Engines — Gasoline*, Briggs and Stratton or Tecumseh Lauson — Power Products.

- | | | |
|--|---|--|
| <p>A 1 Engine & Mower Co.
327 East 9th Street
Salt Lake City, Utah 84102</p> <p>American Electric Ignition Co.
124 N. W. 8th Street
Oklahoma City, Oklahoma 73102</p> <p>Auto Electric & Carburetor Co.
2625 4th Avenue, S.
P. O. Box 1948
Birmingham, Alabama 35233</p> <p>Automotive Equipment Service Co.
3117 Holmes Street
Kansas City, Missouri 64109</p> <p>Bailey's Rebuild Inc.
1325 E. Madison Street
Seattle, Washington 98102</p> <p>Brown Equipment Distributor Inc.
110 Beech Street
Corydon, Indiana 47112</p> <p>Bullard Supply
2409 Commerce Street
Houston, Texas 77003</p> <p>Center Supply Company
6867 New Hampshire Avenue
Takoma Park, Maryland 20012</p> <p>R. T. Clapp Co.
2016 Magnolia Ave., N. E.
Knoxville, Tennessee 37917</p> <p>W. B. Clements
400 Salem Avenue
Roanoke, Virginia 24016</p> <p>Morton B. Collins Co.
300 Birnie Avenue
Springfield, Massachusetts 01107</p> <p>Dixie Sales Company
P. O. Box 1408
327 Battleground Avenue
Greensboro, North Carolina 27402</p> | <p>East Point Cycle & Key Shop
1617 Whiteway
East Point, Georgia 30044</p> <p>Gamble Distributors
West End Avenue
Carthage, New York 13619</p> <p>Garden Equipment Co., Inc.
6600 Cherry Avenue
Long Beach, California 90805</p> <p>Henzler, Inc.
2015 Lemay Ferry Road
St. Louis, Missouri 63125</p> <p>Frank E. Ives & Son
1101 Lincoln Avenue
Prospect Park, Pennsylvania 19076</p> <p>J. W. Jewett Co.
981 Folsom Street
San Francisco, California 94107</p> <p>Kenton Supply
8216 North Denver Avenue
Portland, Oregon 97217</p> <p>Kimber's Inc.
615 W. Genesee Street
Syracuse, New York 13204</p> <p>Marr Brothers
423 E. Jefferson
Dallas, Texas 75203</p> <p>Mathews Auto Electric Co.
420 East 2nd Street
Tulsa, Oklahoma 74120</p> <p>McClure Lawn & Garden Supply
1114 Lexington Avenue
Mansfield, Ohio 44907</p> <p>Memphis Cycle & Supply Co.
421 Monroe Avenue
Memphis, Tennessee 38103</p> | <p>Moz-All of Florida, Inc.
365 Greco Avenue
Coral Gables, Florida 33146</p> <p>National Central, Div. of Joe Sterling, Inc.
Drawer "D" 687 Seville Rd.
Wadsworth, Ohio 44281</p> <p>Power Equipment Distributor
36463 So. Gratiot Avenue
Mt. Clemens, Michigan 48043</p> <p>Parts & Sales Inc.
335 West St. Charles Road
Villa Park, Illinois 60181</p> <p>Power Lawn & Garden Equip. Co.
2551-2571 J. F. Kennedy Road
Dubuque, Iowa 52001</p> <p>Raub Supply Company
James & Mulberry Sts.
Lancaster, Pennsylvania 17604</p> <p>Radco Distributors
2403 Market Street
P. O. Box 3216
Jacksonville, Florida 32206</p> <p>Richmond Battery & Ignition
P. O. Box 25369 — 957 Myers St.
Richmond, Virginia 23260</p> <p>Smith Hardware Company
515 N. George Street
Goldsboro, North Carolina 27530</p> <p>South Denver Lawn Equip. Co.
527 West Evans
Denver, Colorado 80223</p> <p>Suhren Engine
8330 Earhart Blvd.
New Orleans, Louisiana 70118</p> <p>Sutton's Lawn Mower Shop
Route 4, Box 343
North Little Rock, Arkansas 72117</p> <p>Warner Equipment
7520 Lyndale Avenue, So.
Minneapolis, Minnesota 55423</p> |
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